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From: Li, Ruixiang  
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Please do a standard search on:

(i). SEQ ID NO: 2 against interference amino acid sequence databases; Please list a summary table with 500 hits only, without the sequence alignment.

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Thank you very much!

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TYPE OF SEARCH:  
NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

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OM nucleic - nucleic search, using sw model

Run on: June 29, 2004, 20:28:44 ; Search time 201 Seconds  
(without alignments)  
6775.371 Million cell updates/sec

Title: US-09-944-884-1

Perfect score: 2454

Sequence: 1 ggactaatctgtggagcag.....taaaaatttggttgaat 2454

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : Issued Patents\_NA.\*

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5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq.\*

6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	295.4	12.0	1002	1	US-08-442-063A-26
4	295.4	12.0	1026	1	US-08-272-919-1
5	295.4	12.0	1026	1	US-08-619-916-1
6	295.4	12.0	1026	5	PCT-US95-08542-1
7	295.4	12.0	4167	4	US-09-169-768-12
8	291.4	11.9	1685	6	5340934-1
9	282.6	11.5	1593	6	5340934-3
10	271.6	11.1	924	1	US-08-442-063A-47
11	243	9.9	849	1	US-08-442-063A-44
12	189.8	7.7	711	1	US-08-442-063A-41
13	158.6	6.5	567	1	US-08-442-063A-38
14	150.2	6.1	334	4	US-09-833-381-1389
15	131	5.3	426	1	US-08-442-063A-35
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18	73.4	3.0	301	4	US-09-389-681-73
19	73.4	3.0	301	4	US-09-620-405B-73
20	73.4	3.0	301	4	US-09-339-338-73
21	73.4	3.0	301	4	US-09-433-826B-73
22	73.4	3.0	301	4	US-09-604-287A-73
23	73.4	3.0	301	4	US-09-285-480-73
24	73.4	3.0	301	4	US-09-834-759-73
25	58.4	2.4	1416	4	US-09-833-381-859
26	55.4	2.3	19124	2	US-08-487-826B-13
27	54.6	2.2	7218	1	US-08-232-463-14

28	53.6	2.2	168	1	US-08-442-063A-56	Sequence 56, Appl
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34	50	2.0	50	4	US-09-866-028-5	Sequence 5, Appl
35	49.6	2.0	2082	3	US-08-985-335-4	Sequence 4, Appl
36	49.6	2.0	2082	3	US-09-410-372-4	Sequence 4, Appl
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38	48	2.0	813	4	US-09-833-381-1396	Sequence 1396, Appl
39	48	2.0	6317	4	US-10-204-708-11	Sequence 11, Appl
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42	47.2	1.9	981	4	US-09-545-216A-1	Sequence 1, Appl
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44	46.6	1.9	1164	4	US-09-538-871-3	Sequence 3, Appl
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47	45	1.8	8920	2	US-08-446-855A-1	Sequence 1, Appl
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50	44.2	1.8	435	4	US-09-397-787-171	Sequence 171, Appl
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52	44.2	1.8	193303	4	US-09-497-855A-37	Sequence 37, Appl
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56	44	1.8	2733	1	US-08-676-967-3	Sequence 3, Appl
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58	44	1.8	2733	2	US-09-098-487-3	Sequence 3, Appl
59	44	1.8	3701	3	US-08-845-258-10	Sequence 10, Appl
60	44	1.8	3701	3	US-08-990-571-10	Sequence 10, Appl
61	44	1.8	3701	4	US-08-723-142A-10	Sequence 10, Appl
62	44	1.8	3701	4	US-09-528-784A-10	Sequence 10, Appl
63	44	1.8	3701	4	US-09-569-098A-10	Sequence 10, Appl
64	43.8	1.8	849	4	US-09-134-001C-1065	Sequence 1065, Appl
65	43.8	1.8	5583	4	US-09-312-283C-372	Sequence 372, Appl
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67	43.6	1.8	2295	3	US-09-177-431-3	Sequence 3, Appl
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75	43	1.8	1507	3	US-08-477-459-3	Sequence 3, Appl
76	43	1.8	1507	3	US-08-479-869-3	Sequence 3, Appl
77	43	1.8	1507	3	US-08-486-414-3	Sequence 3, Appl
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79	43	1.8	1507	5	PCT-US94-02252A-3	Sequence 3, Appl
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84	42.8	1.7	1962	3	US-09-266-417-18	Sequence 18, Appl
85	42.8	1.7	1962	3	US-09-528-709-18	Sequence 18, Appl
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89	42.4	1.7	2290	3	US-09-131-648-4	Sequence 4, Appl
90	42.4	1.7	2461	4	US-09-620-312D-350	Sequence 350, Appl
91	42.4	1.7	2639	4	US-09-907-794A-68	Sequence 68, Appl
92	42.4	1.7	2639	4	US-09-905-135A-68	Sequence 68, Appl
93	42.4	1.7	2639	4	US-09-902-775A-68	Sequence 68, Appl
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99	42.2	1.7	5046	4	US-09-725-735A-13	Sequence 13, Appl
100	42	1.7	11049	4	US-10-204-708-23	Sequence 23, Appl

101	41.8	1.7	1116	4	US-09-324-455-3	Sequence 3, Appl	c 174	39	1.6	8607	4	US-10-204-708-72	Sequence 72, Appl
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103	41.8	1.7	2296	4	US-09-188-930-228	Sequence 228, Appl	c 176	38.8	1.6	694	4	US-09-457-037B-39	Sequence 39, Appl
104	41.8	1.7	2296	3	US-09-312-283C-228	Sequence 228, Appl	c 177	38.8	1.6	694	4	US-09-733-151-39	Sequence 39, Appl
105	41.8	1.7	19233	4	US-10-204-708-46	Sequence 46, Appl	c 178	38.8	1.6	1251	4	US-09-828-000-1	Sequence 1, Appl
106	41.6	1.7	5152	4	US-10-204-708-73	Sequence 73, Appl	c 179	38.8	1.6	1279	4	US-09-457-037B-40	Sequence 40, Appl
107	41.6	1.7	6317	4	US-10-204-708-12	Sequence 12, Appl	c 180	38.8	1.6	1279	4	US-09-733-151-40	Sequence 40, Appl
108	41.6	1.7	6801	4	US-10-204-708-62	Sequence 62, Appl	c 181	38.8	1.6	1958	4	US-09-702-327-3	Sequence 3, Appl
109	41.4	1.7	832	4	US-09-621-978-2813	Sequence 2813, Appl	c 182	38.8	1.6	2223	1	US-08-257-073-4	Sequence 4, Appl
110	41.2	1.7	732	3	US-08-998-416-1036	Sequence 1036, Appl	c 183	38.8	1.6	6669	4	US-10-204-708-6	Sequence 6, Appl
111	41.2	1.7	18596	3	US-09-318-448-11	Sequence 11, Appl	c 184	38.8	1.6	392000	4	US-10-027-983-11	Sequence 11, Appl
112	41.2	1.7	18597	4	US-09-962-665-8	Sequence 8, Appl	c 185	38.6	1.6	489	4	US-08-956-171E-1022	Sequence 1022, Appl
113	41.2	1.7	18597	4	US-09-963-333-8	Sequence 8, Appl	c 186	38.6	1.6	713	4	US-09-122-400B-5	Sequence 5, Appl
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115	41	1.7	3571	4	US-09-457-066-42	Sequence 42, Appl	c 188	38.6	1.6	5183	1	US-08-459-568-3	Sequence 3, Appl
116	41	1.7	3571	4	US-09-564-595D-34	Sequence 34, Appl	c 189	38.6	1.6	5183	2	US-08-399-411-3	Sequence 3, Appl
117	41	1.7	3571	4	US-09-706-968-42	Sequence 42, Appl	c 190	38.6	1.6	5868	4	US-08-516-859A-3	Sequence 3, Appl
118	41	1.7	3571	4	US-09-823-033-3	Sequence 3, Appl	c 191	38.6	1.6	5868	4	US-09-586-472-3	Sequence 3, Appl
119	41	1.7	4810	3	US-08-852-629-11	Sequence 11, Appl	c 192	38.6	1.6	5868	4	US-09-528-706-3	Sequence 3, Appl
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122	40.6	1.7	4673	5	PCT-US92-00018-1	Sequence 1, Appl	c 195	38.4	1.6	5666	4	US-10-047-532A-2313	Sequence 2313, Appl
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126	40.2	1.6	120	3	US-08-559-397A-6	Sequence 6, Appl	c 199	38.2	1.6	837	3	US-08-998-416-288	Sequence 288, Appl
127	40.2	1.6	120	3	US-08-559-397A-8	Sequence 8, Appl	c 200	38.2	1.6	1361	3	US-09-232-191-20	Sequence 20, Appl
128	40.2	1.6	120	3	US-08-559-397A-8	Sequence 8, Appl	c 201	38.2	1.6	1361	4	US-09-232-197-20	Sequence 20, Appl
129	40.2	1.6	2479	4	US-09-907-794A-27	Sequence 27, Appl	c 202	38.2	1.6	1361	4	US-09-232-201-20	Sequence 20, Appl
130	40.2	1.6	2479	4	US-09-905-125A-27	Sequence 27, Appl	c 203	38.2	1.6	1361	4	US-09-232-201-20	Sequence 20, Appl
131	40.2	1.6	2479	4	US-09-902-775A-30	Sequence 30, Appl	c 204	38.2	1.6	1361	4	US-09-232-195-20	Sequence 20, Appl
132	40.2	1.6	5666	4	US-10-204-708-37	Sequence 37, Appl	c 205	38.2	1.6	1374	4	US-09-601-198-158	Sequence 158, Appl
133	40.2	1.6	8654	1	US-07-867-106-2	Sequence 2, Appl	c 206	38.2	1.6	2513	4	US-09-620-312D-337	Sequence 337, Appl
134	40.2	1.6	8654	1	US-08-920-812-6	Sequence 6, Appl	c 207	38.2	1.6	2885	3	US-09-232-200-36	Sequence 36, Appl
135	40.2	1.6	8654	1	US-08-920-812-6	Sequence 6, Appl	c 208	38.2	1.6	2885	3	US-09-232-200-56	Sequence 56, Appl
136	40.2	1.6	8654	1	US-08-921-177-6	Sequence 6, Appl	c 209	38.2	1.6	2885	4	US-09-232-197-36	Sequence 36, Appl
137	40.2	1.6	8654	1	US-08-362-577C-6	Sequence 6, Appl	c 210	38.2	1.6	2885	4	US-09-232-197-56	Sequence 56, Appl
138	40.2	1.6	8654	2	US-08-920-828-6	Sequence 6, Appl	c 211	38.2	1.6	2885	4	US-09-232-201-36	Sequence 36, Appl
139	40.2	1.6	10467	4	US-10-204-708-2	Sequence 2, Appl	c 212	38.2	1.6	2885	4	US-09-232-201-56	Sequence 56, Appl
140	40.2	1.6	176373	3	US-09-128-155-17	Sequence 17, Appl	c 213	38.2	1.6	2885	4	US-09-232-195-36	Sequence 36, Appl
141	40	1.6	514	3	US-09-188-930-5	Sequence 5, Appl	c 214	38.2	1.6	2885	4	US-09-232-195-56	Sequence 56, Appl
142	40	1.6	514	4	US-09-312-283C-5	Sequence 5, Appl	c 215	38.2	1.6	2885	4	US-10-204-708-30	Sequence 30, Appl
143	40	1.6	576	4	US-09-489-039A-6914	Sequence 6914, Appl	c 216	38.2	1.6	5666	4	US-09-820-001-3	Sequence 3, Appl
144	40	1.6	576	4	US-08-998-416-1137	Sequence 1137, Appl	c 217	38.2	1.6	22067	4	US-09-798-096-10	Sequence 10, Appl
145	40	1.6	636	3	US-08-998-416-1137	Sequence 80, Appl	c 218	38.2	1.6	99500	4	US-09-539-333D-1	Sequence 1, Appl
146	39.8	1.6	8961	4	US-10-204-708-80	Sequence 80, Appl	c 219	38.2	1.6	319608	4	US-09-679-409-1	Sequence 1, Appl
147	39.8	1.6	412	4	US-09-833-381-1376	Sequence 1376, Appl	c 220	38.2	1.6	319608	4	US-09-751-389-3	Sequence 3, Appl
148	39.8	1.6	1282	1	US-08-211-942-16	Sequence 16, Appl	c 221	38.2	1.6	786431	4	US-08-916-421B-1	Sequence 1, Appl
149	39.8	1.6	6040	4	US-10-204-708-70	Sequence 70, Appl	c 222	38.2	1.6	1664376	4	US-09-457-037B-30	Sequence 30, Appl
150	39.8	1.6	20674	4	US-09-641-638-651	Sequence 651, Appl	c 223	38	1.5	1501	4	US-09-733-151-30	Sequence 30, Appl
151	39.6	1.6	929	4	US-09-671-317-14	Sequence 14, Appl	c 224	38	1.5	1501	4	US-09-453-702B-86	Sequence 86, Appl
152	39.6	1.6	1001	4	US-09-671-317-439	Sequence 439, Appl	c 225	38	1.5	1548	4	US-09-601-198-52	Sequence 52, Appl
153	39.6	1.6	2188	1	US-07-865-662F-10	Sequence 10, Appl	c 226	38	1.5	2478	4	US-09-121-964-2	Sequence 2, Appl
154	39.6	1.6	5152	4	US-08-374-219B-10	Sequence 7, Appl	c 227	38	1.5	2763	1	US-09-121-964-2	Sequence 1, Appl
155	39.6	1.6	6583	4	US-10-204-708-26	Sequence 26, Appl	c 228	38	1.5	6040	4	US-07-792-865D-1	Sequence 70, Appl
156	39.6	1.6	3573	3	US-09-353-585-4	Sequence 4, Appl	c 229	38	1.5	6265	4	US-10-204-708-70	Sequence 3, Appl
157	39.4	1.6	6471	3	US-09-353-585-1	Sequence 1, Appl	c 230	38	1.5	8050	3	US-09-491-362-11	Sequence 11, Appl
158	39.4	1.6	6866	4	US-10-204-708-20	Sequence 20, Appl	c 231	38	1.5	8050	4	US-09-874-562-11	Sequence 32, Appl
159	39.4	1.6	116592	4	US-09-818-512-3	Sequence 3, Appl	c 232	38	1.5	8093	4	US-10-204-708-32	Sequence 32, Appl
160	39.2	1.6	2290	4	US-09-907-794A-72	Sequence 72, Appl	c 233	38	1.5	20674	4	US-09-641-638-651	Sequence 651, Appl
161	39.2	1.6	2290	4	US-09-905-125A-72	Sequence 72, Appl	c 234	38	1.5	45546	4	US-09-146-053-6	Sequence 40, Appl
162	39.2	1.6	2290	4	US-09-902-775A-72	Sequence 72, Appl	c 235	38	1.5	161652	4	US-09-497-855A-40	Sequence 1634, Appl
163	39.2	1.6	3600	3	US-08-894-731-1	Sequence 1, Appl	c 236	38	1.5	447	4	US-09-702-705-1634	Sequence 1634, Appl
164	39	1.6	665	2	US-08-883-795A-36	Sequence 36, Appl	c 237	37.8	1.5	447	4	US-09-736-457-1634	Sequence 1634, Appl
165	39	1.6	711	4	US-09-601-198-11	Sequence 11, Appl	c 238	37.8	1.5	447	4	US-09-614-124B-1634	Sequence 1634, Appl
166	39	1.6	1104	1	US-08-307-499-57	Sequence 57, Appl	c 239	37.8	1.5	447	4	US-09-671-325-1634	Sequence 81, Appl
167	39	1.6	1104	3	US-09-298-268-57	Sequence 57, Appl	c 240	37.8	1.5	647	4	US-09-222-575-81	Sequence 81, Appl
168	39	1.6	2255	2	US-08-741-134-1	Sequence 1, Appl	c 241	37.8	1.5	647	4	US-09-389-681-81	Sequence 81, Appl
169	39	1.6	2570	3	US-09-056-075-2	Sequence 2, Appl	c 242	37.8	1.5	647	4	US-09-620-405B-81	Sequence 81, Appl
170	39	1.6	4758	3	US-09-191-647-1	Sequence 1, Appl	c 243	37.8	1.5	647	4	US-09-339-338-81	Sequence 81, Appl
171	39	1.6	4758	3	US-09-540-245A-1	Sequence 1, Appl	c 244	37.8	1.5	647	4	US-09-433-826B-81	Sequence 81, Appl
172	39	1.6	4758	3	US-09-540-153-1	Sequence 1, Appl	c 245	37.8	1.5	647	4	US-09-604-287A-81	Sequence 81, Appl
173	39	1.6	6265	4	US-09-129-112-3	Sequence 3, Appl	c 246	37.8	1.5	647	4		

C 247	37.8	1.5	647	4	US-09-285-480-81	Sequence 81, Appl	320	37	1.5	1614	4	US-09-616-289-45	Sequence 45, Appl
C 248	37.8	1.5	647	4	US-09-834-759-81	Sequence 81, Appl	321	37	1.5	3006	4	US-09-762-724-3	Sequence 3, Appl
C 249	37.8	1.5	658	3	US-08-998-416-595	Sequence 595, Appl	322	37	1.5	4418	4	US-09-976-594-773	Sequence 773, Appl
C 250	37.8	1.5	1128	4	US-09-134-001C-2652	Sequence 2652, Ap	323	37	1.5	6182	4	US-10-204-708-88	Sequence 88, Appl
C 251	37.8	1.5	1143	4	US-09-016-434-1460	Sequence 1460, Ap	324	37	1.5	11131	4	US-10-204-708-27	Sequence 27, Appl
C 252	37.8	1.5	1183	1	US-08-188-582-25	Sequence 25, Appl	325	37	1.5	12425	4	US-09-616-289-50	Sequence 50, Appl
C 253	37.8	1.5	1183	1	US-08-646-715-25	Sequence 25, Appl	326	37	1.5	19513	4	US-10-204-708-40	Sequence 40, Appl
C 254	37.8	1.5	1401	4	US-09-134-001C-518	Sequence 518, Appl	327	37	1.5	26000	4	US-09-843-376-10	Sequence 10, Appl
C 255	37.8	1.5	2710	4	US-09-800-729-16	Sequence 16, Appl	328	37	1.5	98844	4	US-09-791-211-10	Sequence 10, Appl
C 256	37.8	1.5	2728	4	US-09-232-160-1	Sequence 1, Appl	C 329	37	1.5	1830121	4	US-09-557-884-1	Sequence 1, Appl
C 257	37.8	1.5	2728	4	US-09-800-729-50	Sequence 50, Appl	C 330	37	1.5	1830121	4	US-09-643-990A-1	Sequence 1, Appl
C 258	37.8	1.5	3541	3	US-09-180-439-5	Sequence 5, Appl	C 331	36.8	1.5	741	4	US-09-107-532A-148	Sequence 1448, Ap
C 259	37.8	1.5	3543	3	US-09-224-024-27	Sequence 27, Appl	C 332	36.8	1.5	767	3	US-08-998-416-472	Sequence 472, App
C 260	37.8	1.5	3543	5	PCT-US94-0790C-27	Sequence 27, Appl	C 333	36.8	1.5	863	4	US-09-149-476-153	Sequence 153, App
C 261	37.8	1.5	3704	2	US-09-014-969-20	Sequence 20, Appl	C 334	36.8	1.5	1075	4	US-09-663-600A-173	Sequence 173, App
C 262	37.8	1.5	3979	3	US-09-180-439-1	Sequence 1, Appl	C 335	36.8	1.5	1166	4	US-09-663-600A-79	Sequence 79, Appl
C 263	37.8	1.5	3979	3	US-09-180-439-2	Sequence 2, Appl	C 336	36.8	1.5	1185	4	US-09-149-476-290	Sequence 290, App
C 264	37.8	1.5	4093	4	US-08-956-171E-108	Sequence 108, App	C 337	36.8	1.5	1275	1	US-08-552-142A-3	Sequence 3, Appl
C 265	37.8	1.5	4123	3	US-09-180-439-7	Sequence 7, Appl	C 338	36.8	1.5	1275	1	US-08-910-973-3	Sequence 3, Appl
C 266	37.8	1.5	6182	4	US-10-204-708-87	Sequence 87, Appl	C 339	36.8	1.5	1275	4	US-09-499-227-3	Sequence 3, Appl
C 267	37.8	1.5	7786	4	US-09-790-988-2	Sequence 2, Appl	C 340	36.8	1.5	1275	5	PCT-US95-05741-3	Sequence 47, Appl
C 268	37.6	1.5	651	4	US-09-702-705-1789	Sequence 1789, Ap	C 341	36.8	1.5	2663	4	US-09-533-029-47	Sequence 139, App
C 269	37.6	1.5	651	4	US-09-736-457-1789	Sequence 1789, Ap	C 342	36.8	1.5	3001	4	US-09-539-333D-139	Sequence 1, Appl
C 270	37.6	1.5	651	4	US-09-671-325-1789	Sequence 1789, Ap	C 343	36.8	1.5	3489	2	US-08-728-223A-1	Sequence 1, Appl
C 271	37.6	1.5	840	4	US-09-328-352-883	Sequence 883, App	C 344	36.8	1.5	3489	4	US-09-298-568-1	Sequence 1, Appl
C 272	37.6	1.5	1818	4	US-09-357-206A-6	Sequence 6, Appl	C 345	36.8	1.5	3489	4	US-09-410-399-1	Sequence 1, Appl
C 273	37.6	1.5	2238	3	US-08-617-860B-28	Sequence 28, Appl	C 346	36.8	1.5	5152	4	US-10-204-708-74	Sequence 74, Appl
C 274	37.6	1.5	2736	4	US-09-220-132-66	Sequence 66, Appl	C 347	36.8	1.5	7244	3	US-08-378-313-26	Sequence 26, Appl
C 275	37.6	1.5	5253	4	US-09-357-206A-16	Sequence 16, Appl	C 348	36.8	1.5	7304	4	US-10-204-708-43	Sequence 43, Appl
C 276	37.6	1.5	5483	4	US-09-357-206A-17	Sequence 17, Appl	C 349	36.8	1.5	11049	2	US-10-204-708-21	Sequence 21, Appl
C 277	37.6	1.5	5535	4	US-10-204-708-18	Sequence 18, Appl	C 350	36.8	1.5	32207	3	US-08-770-379-20	Sequence 20, Appl
C 278	37.6	1.5	5586	4	US-09-357-206A-19	Sequence 19, Appl	C 351	36.8	1.5	32207	4	US-08-757-669A-20	Sequence 20, Appl
C 279	37.6	1.5	5816	4	US-09-357-206A-21	Sequence 21, Appl	C 352	36.8	1.5	32207	4	US-09-230-371A-20	Sequence 1, Appl
C 280	37.6	1.5	6095	4	US-09-357-206A-18	Sequence 18, Appl	C 353	36.8	1.5	162450	4	US-09-345-882-1	Sequence 3, Appl
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C 282	37.6	1.5	6317	4	US-10-204-708-12	Sequence 12, Appl	C 355	36.6	1.5	174493	4	US-10-238-709-3	Sequence 990, App
C 283	37.6	1.5	6325	4	US-09-357-206A-20	Sequence 20, Appl	C 356	36.6	1.5	474	4	US-09-134-001C-990	Sequence 25, Appl
C 284	37.6	1.5	6428	4	US-09-357-206A-22	Sequence 22, Appl	C 357	36.6	1.5	956	1	US-08-431-080-25	Sequence 32, Appl
C 285	37.6	1.5	6656	4	US-10-204-708-75	Sequence 75, Appl	C 358	36.6	1.5	956	2	US-08-431-080-32	Sequence 25, Appl
C 286	37.6	1.5	7400	1	US-08-261-663A-1	Sequence 1, Appl	C 359	36.6	1.5	956	2	US-08-938-534-25	Sequence 32, Appl
C 287	37.6	1.5	7400	5	PCT-US95-07754A-1	Sequence 1, Appl	C 360	36.6	1.5	956	2	US-08-938-534-32	Sequence 32, Appl
C 288	37.6	1.5	10881	4	US-09-357-206A-9	Sequence 9, Appl	C 361	36.6	1.5	956	4	US-09-345-294-35	Sequence 32, Appl
C 289	37.6	1.5	12286	4	US-09-357-206A-1	Sequence 1, Appl	C 362	36.6	1.5	956	4	US-09-345-294-32	Sequence 32, Appl
C 290	37.6	1.5	12286	4	US-09-813-742A-1	Sequence 1, Appl	C 363	36.6	1.5	3296	4	US-09-907-794A-310	Sequence 310, App
C 291	37.4	1.5	489	1	US-07-879-685B-3	Sequence 3, Appl	C 364	36.6	1.5	3296	4	US-09-905-125A-310	Sequence 310, App
C 292	37.4	1.5	540	4	US-09-833-381-1395	Sequence 1395, Ap	C 365	36.6	1.5	4810	3	US-08-852-629-11	Sequence 11, Appl
C 293	37.4	1.5	609	4	US-09-621-976-16676	Sequence 16676, A	C 366	36.6	1.5	4838	3	US-08-852-629-15	Sequence 21, Appl
C 294	37.4	1.5	731	1	US-08-451-405A-2	Sequence 2, Appl	C 367	36.6	1.5	5340	4	US-09-627-122-21	Sequence 21, Appl
C 295	37.4	1.5	1695	5	PCT-US94-03705-4	Sequence 4, Appl	C 368	36.6	1.5	5562	4	US-10-204-708-63	Sequence 63, Appl
C 296	37.4	1.5	2569	6	5221620-1	Patent No. 5221620	C 369	36.6	1.5	6814	4	US-09-484-970B-66	Sequence 66, Appl
C 297	37.4	1.5	6317	4	US-10-204-708-11	Sequence 11, Appl	C 370	36.6	1.5	7585	4	US-10-204-708-63	Sequence 66, Appl
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C 299	37.4	1.5	58407	4	US-08-916-421B-2	Sequence 2, Appl	C 372	36.6	1.5	1274	4	US-10-204-708-35	Sequence 35, Appl
C 300	37.2	1.5	390	4	US-09-621-976-18777	Sequence 18777, A	C 373	36.6	1.5	246240	2	US-08-724-394A-21	Sequence 20, Appl
C 301	37.2	1.5	500	4	US-09-621-976-2530	Sequence 2530, Ap	C 374	36.6	1.5	246240	2	US-08-724-394A-21	Sequence 20, Appl
C 302	37.2	1.5	1039	4	US-09-833-381-946	Sequence 946, App	C 375	36.6	1.5	246240	2	US-08-724-394A-22	Sequence 22, Appl
C 303	37.2	1.5	1059	4	US-08-837-198A-23	Sequence 23, Appl	C 376	36.6	1.5	580073	4	US-08-545-528D-1	Sequence 1, Appl
C 304	37.2	1.5	1059	4	US-08-837-198A-47	Sequence 47, Appl	C 377	36.4	1.5	393	4	US-08-621-976-18701	Sequence 18701, A
C 305	37.2	1.5	1194	4	US-09-220-132-31	Sequence 31, Appl	C 378	36.4	1.5	4274	4	US-09-134-001C-2777	Sequence 2777, Ap
C 306	37.2	1.5	1415	3	US-08-413-118-126	Sequence 126, App	C 379	36.4	1.5	1431	3	US-09-523-899A-1	Sequence 1, Appl
C 307	37.2	1.5	1415	3	US-08-473-446-126	Sequence 126, App	C 380	36.4	1.5	1431	3	US-09-316-083-2	Sequence 2, Appl
C 308	37.2	1.5	1500	4	US-09-601-198-36	Sequence 36, Appl	C 381	36.4	1.5	1431	4	US-09-933-700-2	Sequence 32, Appl
C 309	37.2	1.5	3001	4	US-09-839-333B-195	Sequence 195, App	C 382	36.4	1.5	1850	3	US-08-617-860B-32	Sequence 9, Appl
C 310	37.2	1.5	4336	4	US-08-956-171B-546	Sequence 546, App	C 383	36.4	1.5	2053	3	US-09-360-186-9	Sequence 291, App
C 311	37.2	1.5	9347	4	US-10-204-708-36	Sequence 36, Appl	C 384	36.4	1.5	2906	4	US-09-907-794A-291	Sequence 291, App
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C 313	37	1.5	66	3	US-07-867-106-19	Sequence 19, Appl	C 386	36.4	1.5	2906	4	US-09-902-775A-291	Sequence 5, Appl
C 314	37	1.5	740	3	US-08-998-416-971	Sequence 971, App	C 387	36.4	1.5	3162	4	US-09-513-505-5	Sequence 7, Appl
C 315	37	1.5	750	3	US-09-382-080-2	Sequence 2, Appl	C 388	36.4	1.5	3162	4	US-09-513-505-7	Sequence 1, Appl
C 316	37	1.5	750	3	US-08-859-937-2	Sequence 2, Appl	C 389	36.4	1.5	3420	4	US-09-513-505-1	Sequence 3, Appl
C 317	37	1.5	1208	4	US-08-979-608A-16	Sequence 16, Appl	C 390	36.4	1.5	3478	4	US-09-513-505-3	Sequence 716, App
C 318	37	1.5	1208	4	US-09-617-849-16	Sequence 16, Appl	C 391	36.4	1.5	3787	4	US-09-976-594-716	Sequence 4, Appl
C 319	37	1.5	1208	4	US-09-616-289-16	Sequence 16, Appl	C 392	36.4	1.5	4098	2	US-08-605-106-4	Sequence 4, Appl

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393	36.4	1.5	5176	4	US-09-182-024A-1	Sequence 1, Appli	1511	1	US-07-991-867B-8	Sequence 8, Appli
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C 395	36.4	1.5	6040	4	US-10-204-708-69	Sequence 69, Appl	1511	2	US-08-544-332-8	Sequence 8, Appli
C 396	36.4	1.5	6156	4	US-10-204-708-60	Sequence 60, Appl	1511	3	US-09-370-861A-8	Sequence 1, Appli
C 397	36.4	1.5	6314	1	US-08-211-430-1	Sequence 1, Appli	2110	3	US-09-419-459-1	Sequence 2, Appli
C 398	36.4	1.5	11474	4	US-09-495-406-1	Sequence 1, Appli	2136	4	US-09-543-681A-2648	Sequence 8, Appli
C 399	36.2	1.5	399	4	US-09-134-001C-2057	Sequence 2057, Ap	2596	4	US-09-554-726A-8	Sequence 3, Appli
C 400	36.2	1.5	633	3	US-09-385-982-206	Sequence 206, App	2596	3	US-08-913-842-3	Sequence 108, App
C 401	36.2	1.5	1374	4	US-09-601-198-158	Sequence 198, App	2960	3	US-09-601-198-108	Sequence 27, Appl
C 402	36.2	1.5	2022	2	US-08-937-540-7	Sequence 7, Appli	3255	4	US-08-894-454-164	Sequence 64, Appl
C 403	36.2	1.5	2320	4	US-09-016-434-1054	Sequence 1054, Ap	4067	4	US-08-817-926-27	Sequence 2, Appli
C 404	36.2	1.5	2559	4	US-09-569-098A-109	Sequence 109, App	4818	3	US-10-204-708-64	Sequence 50, Appl
C 405	36.2	1.5	2861	1	US-08-293-953-1	Sequence 1, Appli	5562	4	US-07-867-106-2	Sequence 17, Appl
C 406	36.2	1.5	2861	1	US-08-453-415-1	Sequence 1, Appli	5852	4	US-10-204-708-50	Sequence 2, Appli
C 407	36.2	1.5	2861	1	US-09-066-687-1	Sequence 1, Appli	6306	4	US-09-322-478-17	Sequence 10, Appl
C 408	36.2	1.5	2861	5	PCT-US95-11231-1	Sequence 1, Appli	12286	4	US-09-322-478-20	Sequence 3, Appli
C 409	36.2	1.5	3620	3	US-09-446-504-55	Sequence 55, Appl	12571	4	US-09-843-376-10	Sequence 8, Appli
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C 411	36.2	1.5	3881	1	US-08-459-415-2	Sequence 2, Appli	399	4	US-09-621-976-8976	Sequence 2502, Ap
C 412	36.2	1.5	3881	1	US-09-066-687-2	Sequence 2, Appli	405	4	US-09-621-976-2502	Sequence 2503, Ap
C 413	36.2	1.5	3881	5	PCT-US95-11231-2	Sequence 2, Appli	476	4	US-09-621-976-2503	Sequence 93, Appl
C 414	36.2	1.5	5844	4	US-10-204-708-90	Sequence 90, Appl	533	4	US-09-134-000C-2216	Sequence 224, App
C 415	36.2	1.5	5844	4	US-10-204-708-6	Sequence 6, Appli	549	4	US-08-998-416-224	Sequence 804, App
C 416	36.2	1.5	11049	4	US-10-204-708-24	Sequence 24, Appl	782	3	US-09-328-352-804	Sequence 1, Appli
C 417	36.2	1.5	11049	4	US-10-204-708-27	Sequence 27, Appl	1092	4	US-07-969-213-1	Sequence 11, Appl
C 418	36.2	1.5	11331	3	US-08-947-823-1	Sequence 1, Appli	1740	1	US-09-286-691-11	Sequence 11, Appl
C 419	36.2	1.5	51952	3	US-09-791-211-10	Sequence 10, Appl	1826	3	US-09-687-147-11	Sequence 4, Appli
C 420	36.2	1.5	98844	4	US-08-979-211-10	Sequence 10, Appl	1826	3	US-09-601-198-4	Sequence 2, Appli
C 421	36	1.5	298	3	US-08-714-918-54	Sequence 54, Appl	1887	4	US-08-393-219-2	Sequence 215, App
C 422	36	1.5	298	3	US-09-265-315-54	Sequence 54, Appl	2882	3	US-08-961-083-215	Sequence 215, App
C 423	36	1.5	298	3	US-09-265-315-54	Sequence 54, Appl	3022	3	US-09-536-784-215	Sequence 110, App
C 424	36	1.5	298	3	US-09-266-417-54	Sequence 54, Appl	3132	4	US-08-961-527-110	Sequence 343, App
C 425	36	1.5	298	4	US-09-528-709-54	Sequence 54, Appl	3150	4	US-08-956-171E-343	Sequence 1, Appli
C 426	36	1.5	298	4	US-09-527-745-54	Sequence 54, Appl	4673	1	US-07-638-431-1	
C 427	36	1.5	319	4	US-09-621-976-18488	Sequence 18488, A				
C 428	36	1.5	371	4	US-09-621-976-16048	Sequence 16048, A				
C 429	36	1.5	714	4	US-08-956-171E-698	Sequence 698, App				
C 430	36	1.5	1001	4	US-09-671-317-447	Sequence 447, App				
C 431	36	1.5	1189	1	US-07-781-034-4	Sequence 4, Appli				
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C 436	36	1.5	1287	4	US-09-528-784A-11	Sequence 11, Appl				
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C 439	36	1.5	2669	4	US-09-976-594-679	Sequence 679, App				
C 440	36	1.5	3001	4	US-09-539-333D-187	Sequence 187, App				
C 441	36	1.5	4291	4	US-09-227-652B-1	Sequence 1, Appli				
C 442	36	1.5	4573	4	US-09-915-815-16	Sequence 16, Appl				
C 443	36	1.5	4573	4	US-09-915-815-17	Sequence 17, Appl				
C 444	36	1.5	4836	4	US-09-915-815-23	Sequence 23, Appl				
C 445	36	1.5	4847	4	US-09-915-815-22	Sequence 22, Appl				
C 446	36	1.5	5042	4	US-09-915-815-21	Sequence 21, Appl				
C 447	36	1.5	5042	4	US-09-915-815-21	Sequence 21, Appl				
C 448	36	1.5	5045	4	US-09-725-735A-13	Sequence 13, Appl				
C 449	36	1.5	6243	2	US-09-056-075-1	Sequence 1, Appli				
C 450	36	1.5	7218	1	US-08-232-463-14	Sequence 14, Appl				
C 451	36	1.5	11050	4	US-08-956-171E-96	Sequence 96, Appl				
C 452	36	1.5	19233	4	US-10-204-708-45	Sequence 45, Appl				
C 453	36	1.5	51259	3	US-08-781-891-209	Sequence 209, App				
C 454	36	1.5	51259	4	US-09-618-166-209	Sequence 209, App				
C 455	36	1.5	84495	4	US-09-797-906-3	Sequence 3, Appli				
C 456	35.8	1.5	270	4	US-09-313-294A-1739	Sequence 1739, Ap				
C 457	35.8	1.5	280	4	US-09-313-294A-322	Sequence 322, App				
C 458	35.8	1.5	417	4	US-09-134-001C-330	Sequence 330, App				
C 459	35.8	1.5	452	4	US-09-621-976-1060	Sequence 1060, Ap				
C 460	35.8	1.5	660	1	US-07-991-867B-32	Sequence 32, Appl				
C 461	35.8	1.5	660	1	US-08-107-755A-32	Sequence 32, Appl				
C 462	35.8	1.5	660	2	US-08-544-332-32	Sequence 32, Appl				
C 463	35.8	1.5	660	4	US-09-370-861A-32	Sequence 32, Appl				
C 464	35.8	1.5	688	1	US-08-139-937-9	Sequence 9, Appli				
C 465	35.8	1.5	688	5	PCT-US93-11310-9	Sequence 9, Appli				

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(without alignments)

2731.512 Million cell updates/sec

Title: US-09-944-884-2

Perfect score: 1992

Sequence: 1 MKEVLLFLALCSAKPFFS.....PATPRCVLSRMSVQLGNFGM 379

Scoring table: BLOSUM62

Xgapop 10.0 , Xgapext 0.5

Ygapop 10.0 , Ygapext 0.5

Fgapop 6.0 , Fgapext 7.0

Delop 6.0 , Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

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Command line parameters:

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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

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3	1020	51.2	1685	6	5340934-1
4	949	47.6	1026	1	US-08-272-919-1
5	949	47.6	1026	1	US-08-619-916-1
6	948	47.6	1026	5	PCT-US95-08542-1
7	948	47.6	4167	4	US-09-169-768-12
8	947	47.5	1002	1	US-08-442-063A-26
9	907	45.5	1593	6	5340934-3
10	847	42.5	924	1	US-08-442-063A-47
11	776	39.0	849	1	US-08-442-063A-44
12	616	30.9	711	1	US-08-442-063A-41

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	88	199.5	10.0	7452	3	US-08-592-500-1	Sequence 1, Appli	161	145.5	7.3	4104	3	US-08-881-706-1	Sequence 1, Appli
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	90	199.5	10.0	7452	5	PCT-US94-07644A-1	Sequence 1, Appli	163	140.5	7.1	1316	3	US-08-460-576-1	Sequence 1, Appli
	91	199	10.0	541	4	US-09-833-381-1382	Sequence 1382, Ap	164	140.5	7.1	2179	1	US-08-487-886-1	Sequence 1, Appli
	92	198.5	10.0	2480	4	US-09-023-655-1096	Sequence 1096, Ap	165	140.5	7.1	2179	2	US-08-531-070A-1	Sequence 1, Appli
	93	196	9.8	906	1	US-07-817-137A-1	Sequence 1, Appli	166	140.5	7.1	2179	3	US-08-482-855-1	Sequence 1, Appli
	94	196	9.8	905	1	US-08-470-137-1	Sequence 1, Appli	167	140.5	7.1	2179	4	US-08-474-986-1	Sequence 1, Appli
	95	193.5	9.7	647	4	US-09-222-575-81	Sequence 81, Appl	168	139.5	7.0	2393	4	US-09-016-434-1209	Sequence 1209, Ap
	96	193.5	9.7	647	4	US-09-389-681-81	Sequence 81, Appl	169	138.5	7.0	1019	1	US-08-225-473-2	Sequence 2, Appli
	97	193.5	9.7	647	4	US-09-620-405B-81	Sequence 81, Appl	170	138.5	7.0	1330	2	US-09-036-582-33	Sequence 33, Appl
	98	193.5	9.7	647	4	US-09-339-338-81	Sequence 81, Appl	171	138.5	7.0	1330	4	US-09-318-141-33	Sequence 33, Appl
	99	193.5	9.7	647	4	US-09-433-826B-81	Sequence 81, Appl	172	138	6.9	3401	4	US-09-907-794A-249	Sequence 249, App
	100	193.5	9.7	647	4	US-09-604-287A-81	Sequence 81, Appl	173	138	6.9	3401	4	US-09-905-125A-249	Sequence 249, App
	101	193.5	9.7	647	4	US-09-285-480-81	Sequence 81, Appl	174	138	6.9	3401	4	US-09-902-775A-249	Sequence 249, App
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	104	188	9.4	4203	3	US-08-866-757-1	Sequence 1, Appli	177	136	6.8	6470	4	US-09-620-312D-255	Sequence 255, App
	105	188	9.4	4203	3	US-09-153-593-1	Sequence 1, Appli	178	135.5	6.8	1305	4	US-09-907-794A-70	Sequence 70, Appl
	106	185	9.3	4250	4	US-09-706-594-6	Sequence 6, Appli	179	135.5	6.8	1305	4	US-09-905-125A-70	Sequence 70, Appl
	107	184.5	9.3	447	4	US-09-702-705-1634	Sequence 1634, Ap	180	135.5	6.8	1305	4	US-09-902-775A-70	Sequence 754, App
	108	184.5	9.3	447	4	US-09-736-457-1634	Sequence 1634, Ap	181	135.5	6.8	1610	4	US-09-620-312D-754	Sequence 9, Appli
	109	184.5	9.3	447	4	US-09-614-124B-1634	Sequence 1634, Ap	182	135	6.8	3239	4	US-09-228-986-9	Sequence 1379, Ap
	110	184.5	9.3	447	4	US-09-671-325-1634	Sequence 1634, Ap	183	134	6.7	330	4	US-09-833-381-1379	Sequence 1, Appli
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	112	182.5	9.2	2555	4	US-09-866-028-68	Sequence 68, Appl	185	129.5	6.5	3747	4	US-10-042-810-1	Sequence 3, Appli
	113	181	9.1	2241	5	PCT-US95-10509-1	Sequence 1, Appli	186	129.5	6.5	3837	4	US-10-042-810-3	Sequence 5, Appli
	114	181	9.1	4062	4	US-09-620-312D-348	Sequence 348, App	187	129.5	6.5	4068	4	US-09-513-505-5	Sequence 5, Appli
	115	180.5	9.1	2755	4	US-09-907-794A-90	Sequence 90, Appl	188	129	6.5	4162	4	US-08-257-073-4	Sequence 13, Appl
	116	180.5	9.1	2755	4	US-09-905-125A-90	Sequence 90, Appl	189	128	6.4	2223	1	US-09-513-505-13	Sequence 955, App
	117	180.5	9.1	2755	4	US-09-902-775A-90	Sequence 90, Appl	190	127.5	6.4	1884	4	US-09-620-312D-955	Sequence 14, Appl
	118	177.5	8.9	505	4	US-09-833-381-563	Sequence 563, App	191	127	6.4	2199	4	US-09-134-000C-2954	Sequence 64, Appl
	119	176	8.8	2582	2	US-08-514-014-3	Sequence 3, Appli	192	126	6.3	1116	1	US-08-244-646-14	Sequence 20, Appl
	120	176	8.8	2582	1	US-08-833-823-3	Sequence 3, Appli	193	125.5	6.3	2481	3	US-09-188-930-64	Sequence 9, Appli
	121	176	8.8	2775	3	US-09-060-208-1	Sequence 118, Ap	194	125.5	6.3	2481	3	US-09-461-657B-9	Sequence 15, Appl
	122	176	8.8	2775	3	US-09-221-017B-1118	Sequence 4, Appli	195	125.5	6.3	2917	1	US-09-312-283C-64	Sequence 14, Appl
	123	175	8.7	638	4	US-09-353-585-4	Sequence 40, Appl	196	125.5	6.3	2917	1	US-08-592-936B-20	Sequence 20, Appl
	124	174	8.7	3573	3	US-09-620-312D-40	Sequence 1, Appli	197	125.5	6.3	2917	1	US-09-111-573-20	Sequence 9, Appli
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	126	174	8.7	6471	3	US-09-833-381-859	Sequence 859, App	199	125	6.3	2022	3	US-09-461-657B-15	Sequence 15, Appl
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	129	172	8.6	514	3	US-09-312-283C-5	Sequence 1, Appli	202	125	6.3	2112	4	US-09-461-657B-12	Sequence 1, Appli
	130	172	8.6	514	3	US-08-945-983-1	Sequence 1371, Ap	203	125	6.3	2112	4	US-09-232-160-12	Sequence 12, Appl
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	143	161.5	8.1	3921	2	US-08-587-680A-3	Sequence 3, Appli	216	117.5	5.8	1407	4	US-09-023-655-412	Sequence 2, Appli
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108	5.4	1858	2	US-08-286-846A-7	Sequence 7, Appl	320	97	4.9	1909	4	US-09-461-657B-16	Sequence 1751, Ap
108	5.4	1858	2	US-08-457-880A-7	Sequence 7, Appl	321	97	4.9	1909	4	US-09-461-657B-16	Sequence 1751, Ap
108	5.4	1858	3	US-08-457-880A-7	Sequence 7, Appl	322	97	4.9	2277	4	US-09-134-001C-1751	Sequence 1, Appl
108	5.4	1858	3	US-08-444-622A-7	Sequence 7, Appl	323	97	4.9	2463	1	US-08-339-578-1	Sequence 13, Appl
108	5.4	1858	3	US-08-942-562-7	Sequence 7, Appl	324	97	4.9	2724	4	US-08-339-578-1	Sequence 13, Appl
108	5.4	1858	3	US-09-156-923-7	Sequence 7, Appl	325	97	4.9	2729	4	US-09-461-657B-13	Sequence 11, Appl
108	5.4	2513	4	US-09-228-986-13	Sequence 13, Appl	326	97	4.9	2799	4	US-09-461-657B-13	Sequence 11, Appl
108	5.4	2715	2	US-08-359-705B-5	Sequence 5, Appl	327	97	4.9	3621	4	US-08-956-171E-358	Sequence 200, App
108	5.4	2715	2	US-08-286-846A-5	Sequence 5, Appl	328	97	4.9	3621	4	US-08-956-171E-358	Sequence 200, App
108	5.4	2715	2	US-08-457-880A-5	Sequence 5, Appl	329	97	4.9	4594	4	US-09-107-532A-571	Sequence 2060, App
108	5.4	2715	3	US-08-444-622A-5	Sequence 5, Appl	330	97	4.9	4594	4	US-09-107-532A-571	Sequence 2060, App
108	5.4	2715	3	US-08-942-562-5	Sequence 5, Appl	331	97	4.9	4594	4	US-09-489-039A-2028	Sequence 1406, App
108	5.4	2715	3	US-09-156-923-5	Sequence 5, Appl	332	97	4.9	4594	4	US-09-489-039A-2028	Sequence 1406, App
107.5	5.4	465	4	US-09-833-381-555	Sequence 555, App	333	96.5	4.8	10709	4	US-09-596-002-9	Sequence 2028, Ap
107.5	5.4	465	4	US-09-833-381-555	Sequence 555, App	334	96.5	4.8	10815	4	US-09-596-002-9	Sequence 2028, Ap
107.5	5.4	2518	3	US-09-433-699-3	Sequence 3, Appl	335	96.5	4.8	10815	4	US-09-004-838-21	Sequence 87, Appl
107.5	5.4	2518	3	US-09-433-699-3	Sequence 3, Appl	336	96.5	4.8	13149	4	US-09-004-838-21	Sequence 87, Appl
107.5	5.4	1664976	4	US-08-916-421B-1	Sequence 1, Appl	337	96	4.8	13149	4	US-09-004-838-21	Sequence 87, Appl
107	5.4	817	4	US-09-833-381-1377	Sequence 1377, App	338	96	4.8	7096	4	US-09-107-532A-571	Sequence 305, App
107	5.4	1001	4	US-09-461-325-65	Sequence 65, App	339	96	4.8	7096	4	US-09-107-532A-571	Sequence 305, App
107	5.4	1001	4	US-10-012-542-65	Sequence 65, App	340	96	4.8	7096	4	US-09-107-532A-571	Sequence 305, App
107	5.4	1001	4	US-10-012-542-65	Sequence 65, App	341	96	4.8	7096	4	US-09-107-532A-571	Sequence 305, App
107	5.4	3097	4	US-09-228-986-11	Sequence 11, Appl	342	95.5	4.8	13149	4	US-09-004-838-21	Sequence 373, App
107	5.4	58407	4	US-08-916-421B-2	Sequence 2, Appl	343	95.5	4.8	13149	4	US-09-004-838-21	Sequence 373, App
106.5	5.3	2413	4	US-09-016-434-1469	Sequence 1469, App	344	95.5	4.8	13149	4	US-09-004-838-21	Sequence 373, App
106	5.3	472	4	US-09-016-434-1469	Sequence 1469, App	345	95.5	4.8	13149	4	US-09-004-838-21	Sequence 373, App
106	5.3	2413	4	US-09-833-381-1751	Sequence 1751, App	346	95.5	4.8	13149	4	US-09-004-838-21	Sequence 373, App
106	5.3	2413	4	US-09-833-381-1751	Sequence 1751, App	347	95.5	4.8	13149	4	US-09-004-838-21	Sequence 373, App
106	5.3	2526	1	US-07-912-952-18	Sequence 18, Appl	348	95.5	4.8	13149	4	US-09-004-838-21	Sequence 373, App
106	5.3	2526	1	US-07-912-952-18	Sequence 18, Appl	349	95.5	4.8	13149	4	US-09-004-838-21	Sequence 373, App
106	5.3	34001	4	US-09-596-002-18	Sequence 2093, App	350	95.5	4.8	13149	4	US-09-004-838-21	Sequence 373, App
105.5	5.3	2601	4	US-09-134-001C-2093	Sequence 819, App	351	95	4.8	13149	4	US-09-004-838-21	Sequence 373, App
105	5.3	1332	4	US-09-543-681A-819	Sequence 1, Appl	352	95	4.8	13149	4	US-09-004-838-21	Sequence 373, App
105	5.3	8920	2	US-08-446-855A-1	Sequence 1, Appl	353	95	4.8	13149	4	US-09-004-838-21	Sequence 373, App
105	5.3	8920	2	US-08-446-855A-1	Sequence 1, Appl	354	95	4.8	13149	4	US-09-004-838-21	Sequence 373, App
105	5.3	8920	2	US-09-150-741-1	Sequence 86, Appl	355	95	4.8	13149	4	US-09-004-838-21	Sequence 373, App
104.5	5.2	1548	4	US-09-453-702B-86	Sequence 43, Appl	356	95	4.8	13149	4	US-09-004-838-21	Sequence 373, App
104.5	5.2	3116	4	US-09-904-615-43	Sequence 83, Appl	357	95	4.8	13149	4	US-09-004-838-21	Sequence 373, App
104.5	5.2	7664	4	US-10-204-708-83	Sequence 1, Appl	358	95	4.8	13149	4	US-09-004-838-21	Sequence 373, App
104	5.2	1863	3	US-09-126-646-1	Sequence 1, Appl	359	95	4.8	13149	4	US-09-004-838-21	Sequence 373, App
104	5.2	1863	3	US-09-421-491-1	Sequence 1, Appl	360	95	4.8	13149	4	US-09-004-838-21	Sequence 373, App
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103.5	5.2	3138	4	US-09-434-408-1	Sequence 1, Appl	362	94.5	4.7	1101	3	US-09-313-177-3	Sequence 3, Appl
103	5.2	1058	1	US-08-238-163-1	Sequence 1, Appl	363	94.5	4.7	1101	3	US-09-313-177-3	Sequence 3, Appl
103	5.2	1241	4	US-09-833-381-1401	Sequence 1401, App	364	94.5	4.7	1101	3	US-09-313-177-3	Sequence 3, Appl
103	5.2	1241	4	US-09-833-381-1401	Sequence 1401, App	365	94.5	4.7	1101	3	US-09-313-177-3	Sequence 3, Appl
103	5.2	2780	4	US-09-620-312D-358	Sequence 358, App	366	94.5	4.7	1101	3	US-09-313-177-3	Sequence 3, Appl
102.5	5.1	4417	3	US-07-741-453A-57	Sequence 57, App	367	94.5	4.7	1101	3	US-09-313-177-3	Sequence 3, Appl
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102	5.1	580073	4	US-08-545-528D-1	Sequence 1, Appl	372	94.5	4.7	1101	3	US-09-313-177-3	Sequence 3, Appl
102	5.1	580073	4	US-08-545-528D-1	Sequence 1, Appl	373	94.5	4.7	1101	3	US-09-313-177-3	Sequence 3, Appl
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101.5	5.1	2686	4	US-09-228-986-3	Sequence 3, Appl	376	94.5	4.7	1101	3	US-09-313-177-3	Sequence 3, Appl
101	5.1	2686	4	US-09-228-986-3	Sequence 3, Appl	377	94.5	4.7	1101	3	US-09-313-177-3	Sequence 3, Appl
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101	5.1	2686	4	US-09-228-986-3	Sequence 3, Appl	394	94.5	4.7	1101	3	US-09-313-177-3	Sequence 3, Appl
101	5.1	2686	4	US-09-228-986-3	Sequence 3, Appl	395	94.5	4.				



378	94	4.7	4141	4	US-09-340-620A-42	Sequence 42, Appl	451	91	4.6	3760	1	US-08-261-663A-3	Sequence 3, Appl
379	94	4.7	4141	4	US-09-865-364-42	Sequence 42, Appl	452	91	4.6	3760	4	US-09-357-206A-2	Sequence 2, Appl
380	94	4.7	5181	1	US-08-257-073-10	Sequence 10, Appl	453	91	4.6	3760	5	PCT-US95-07754A-3	Sequence 3, Appl
381	94	4.7	7521	4	US-09-004-878-116	Sequence 116, Appl	454	91	4.6	3830	1	US-08-261-663A-5	Sequence 5, Appl
382	93.5	4.7	144	1	US-08-442-063A-29	Sequence 29, Appl	455	91	4.6	3830	5	PCT-US95-07754A-5	Sequence 5, Appl
383	93.5	4.7	3456	4	US-09-602-472A-12	Sequence 12, Appl	456	91	4.6	3837	4	US-09-724-517-1	Sequence 1, Appl
384	93.5	4.7	4465	3	US-08-930-996A-3	Sequence 3, Appl	457	91	4.6	3837	4	US-09-641-807A-1	Sequence 1, Appl
385	93.5	4.7	5893	1	US-08-592-126-54	Sequence 54, Appl	458	91	4.6	3837	4	US-09-723-096-1	Sequence 1, Appl
386	93.5	4.7	5893	2	US-08-687-080-44	Sequence 44, Appl	459	91	4.6	3837	4	US-09-723-096-1	Sequence 505, Appl
387	93.5	4.7	5893	4	US-09-168-595-54	Sequence 54, Appl	460	91	4.6	3837	4	US-08-956-171B-3	Sequence 1, Appl
388	93.5	4.7	8257	4	US-09-595-684B-30	Sequence 30, Appl	461	91	4.6	1830121	4	US-09-557-884-1	Sequence 1, Appl
389	93.5	4.7	8503	4	US-09-620-312D-130	Sequence 130, Appl	462	91	4.6	1830121	4	US-09-557-884-1	Sequence 3, Appl
390	93	4.7	1453	6	5340934-5	Patent No. 5340934	463	90.5	4.5	489	4	US-07-879-685B-3	Sequence 669, Appl
391	93	4.7	2358	3	US-09-022-983-1	Sequence 1, Appl	464	90.5	4.5	489	4	US-09-328-352-669	Sequence 8, Appl
392	93	4.7	2360	3	US-09-490-692-10	Sequence 10, Appl	465	90.5	4.5	2368	4	US-09-228-986-8	Sequence 680, Appl
393	93	4.7	2432	4	US-09-228-986-7	Sequence 7, Appl	466	90.5	4.5	2368	4	US-09-312-283C-360	Sequence 360, Appl
394	93	4.7	2859	4	US-09-099-041A-9	Sequence 9, Appl	467	90	4.5	876	4	US-09-489-039A-680	Sequence 2189, Appl
395	93	4.7	2859	4	US-09-245-281-9	Sequence 9, Appl	468	90	4.5	1461	4	US-09-328-352-2189	Sequence 5, Appl
396	93	4.7	2859	4	US-09-207-359B-9	Sequence 9, Appl	469	90	4.5	13807	4	US-09-052-469-5	Sequence 5, Appl
397	93	4.7	2859	4	US-09-340-620A-9	Sequence 9, Appl	470	90	4.5	13807	4	US-08-422-582-5	Sequence 5, Appl
398	93	4.7	2859	4	US-09-865-364-9	Sequence 9, Appl	471	90	4.5	14060	3	US-09-052-469-7	Sequence 7, Appl
399	93	4.7	3382	4	US-09-099-041A-7	Sequence 7, Appl	472	90	4.5	14148	4	US-09-052-469-7	Sequence 7, Appl
400	93	4.7	3382	4	US-09-245-281-7	Sequence 7, Appl	473	90	4.5	14148	4	US-08-422-582-7	Sequence 7, Appl
401	93	4.7	3382	4	US-09-207-359B-7	Sequence 7, Appl	474	90	4.5	14148	4	US-09-052-469-7	Sequence 7, Appl
402	93	4.7	3382	4	US-09-340-620A-7	Sequence 7, Appl	475	90	4.5	14148	4	US-09-052-469-7	Sequence 7, Appl
403	93	4.7	3382	4	US-09-865-364-7	Sequence 7, Appl	476	90	4.5	14148	4	US-09-052-469-7	Sequence 7, Appl
404	93	4.7	4302	4	US-09-245-281-38	Sequence 38, Appl	477	89.5	4.5	1131	4	US-08-956-171B-321	Sequence 321, Appl
405	93	4.7	4302	4	US-09-207-359B-38	Sequence 38, Appl	478	89	4.5	7965	4	US-08-545-528D-1	Sequence 1, Appl
406	93	4.7	4302	4	US-09-340-620A-38	Sequence 38, Appl	479	89	4.5	580073	4	US-08-559-896B-1	Sequence 1, Appl
407	93	4.7	4302	4	US-09-865-364-38	Sequence 38, Appl	480	89	4.5	1956	4	US-09-351-794A-1	Sequence 1, Appl
408	93	4.7	13930	4	US-09-976-594-1011	Sequence 1011, Appl	481	89	4.5	12912	2	US-08-460-751-1	Sequence 1, Appl
409	93	4.7	13933	4	US-09-220-132-20	Sequence 20, Appl	482	89	4.5	41708	4	US-08-460-751-1	Sequence 3, Appl
410	93	4.7	14070	4	US-09-108-006C-2	Sequence 2, Appl	483	89	4.5	41708	4	US-09-470-512A-3	Sequence 3, Appl
411	92.5	4.6	522	4	US-08-621-976-926	Sequence 926, Appl	484	89	4.5	41708	4	US-09-107-532A-3293	Sequence 3293, Appl
412	92.5	4.6	3126	2	US-08-477-396A-3	Sequence 3, Appl	485	89	4.5	41708	4	US-09-601-198-62	Sequence 62, Appl
413	92.5	4.6	3479	4	US-09-221-017B-306	Sequence 306, Appl	486	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
414	92.5	4.6	5253	4	US-09-357-206A-16	Sequence 16, Appl	487	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
415	92.5	4.6	5483	4	US-09-357-206A-17	Sequence 17, Appl	488	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
416	92.5	4.6	5586	4	US-09-357-206A-19	Sequence 19, Appl	489	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
417	92.5	4.6	5816	4	US-09-357-206A-21	Sequence 21, Appl	490	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
418	92.5	4.6	5829	4	US-09-004-838-109	Sequence 109, Appl	491	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
419	92.5	4.6	6095	4	US-09-357-206A-18	Sequence 18, Appl	492	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
420	92.5	4.6	6325	4	US-09-357-206A-20	Sequence 20, Appl	493	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
421	92.5	4.6	6428	4	US-09-357-206A-22	Sequence 22, Appl	494	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
422	92.5	4.6	7400	1	US-08-261-663A-1	Sequence 1, Appl	495	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
423	92.5	4.6	9636	5	PCT-US95-07754A-1	Sequence 1, Appl	496	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
424	92.5	4.6	9636	4	US-08-323-170B-1	Sequence 1, Appl	497	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
425	92.5	4.6	10881	4	US-08-954-441-1	Sequence 1, Appl	498	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
426	92.5	4.6	12886	4	US-09-357-206A-9	Sequence 9, Appl	499	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
427	92.5	4.6	12886	4	US-09-357-206A-1	Sequence 1, Appl	500	89	4.5	41708	4	US-09-601-198-62	Sequence 25, Appl
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431	92	4.6	1974	4	US-09-833-381-1373	Sequence 1373, Appl							
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433	92	4.6	3826	4	US-09-813-742A-4	Sequence 4, Appl							
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435	91.5	4.6	3830	4	US-09-357-206A-4	Sequence 4, Appl							
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438	91.5	4.6	4946	3	US-09-620-312D-111	Sequence 111, Appl							
439	91.5	4.6	5479	4	US-08-930-996A-1	Sequence 1, Appl							
440	91	4.6	382	4	US-10-164-595-43	Sequence 43, Appl							
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442	91	4.6	471	4	US-09-337-787-171	Sequence 171, Appl							
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447	91	4.6	956	2	US-08-938-534-32	Sequence 32, Appl							
448	91	4.6	956	4	US-08-938-534-32	Sequence 32, Appl							
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					US-09-813-742A-2	Sequence 2, Appl							

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Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues 389414  
Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A COMB.pep.\*  
2: /cgn2\_6/ptodata/2/iaa/5B COMB.pep.\*  
3: /cgn2\_6/ptodata/2/iaa/6A COMB.pep.\*  
4: /cgn2\_6/ptodata/2/iaa/6B COMB.pep.\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS COMB.pep.\*  
6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1992	100.0	379	4	US-09-866-028-2
2	1799	90.3	373	4	US-09-724-864-43
3	1021	51.3	368	1	US-08-303-238-3
4	1021	51.3	368	3	US-08-458-834-3
5	1020	51.2	368	6	5340934-2
6	963.5	48.4	359	1	US-08-303-238-4
7	963.5	48.4	359	3	US-08-458-834-4
8	949	47.6	342	1	US-08-272-919-2
9	949	47.6	342	1	US-08-619-916-2
10	947	47.5	333	1	PCT-US95-08542-2
11	947	47.5	333	1	US-08-442-063A-27
12	907	45.5	353	6	5340934-4
13	847	42.5	307	1	US-08-442-063A-48
14	776	39.0	282	1	US-08-442-063A-45
15	616	30.9	236	1	US-08-442-063A-42
16	493	24.7	188	1	US-08-442-063A-39
17	384.5	19.3	141	1	US-08-442-063A-36
18	342.5	17.2	375	1	US-08-303-238-2
19	342.5	17.2	375	3	US-08-458-834-2
20	340.5	17.1	1529	4	US-09-312-283C-396
21	336	16.9	1525	3	US-09-191-647-2
22	336	16.9	1525	3	US-09-540-245A-2
23	336	16.9	1525	3	US-09-540-153-2
24	334.5	16.8	649	3	US-09-188-930-305
25	334.5	16.8	649	3	US-09-312-283C-305
26	318	16.0	376	1	US-08-303-238-1
27	318	16.0	376	3	US-08-458-834-1

28	316	15.9	1480	3	US-09-191-647-7	Sequence 7, Appli
29	316	15.9	1480	3	US-09-540-245A-7	Sequence 7, Appli
30	316	15.9	1480	3	US-09-540-153-7	Sequence 7, Appli
31	316	15.9	1480	5	PCT-US91-09055-2	Sequence 2, Appli
32	313.5	15.7	660	4	US-09-907-794A-28	Sequence 28, Appli
33	313.5	15.7	660	4	US-09-905-125A-28	Sequence 28, Appli
34	313.5	15.7	660	4	US-09-902-775A-28	Sequence 28, Appli
35	313	15.7	1480	4	US-09-182-024A-5	Sequence 5, Appli
36	309	15.5	1523	4	US-09-182-024A-5	Sequence 5, Appli
37	296	14.9	1091	3	US-08-986-485-5	Sequence 5, Appli
38	272	13.7	603	1	US-08-190-802A-50	Sequence 50, Appli
39	272	13.7	603	3	US-08-477-346-50	Sequence 50, Appli
40	272	13.7	603	4	US-08-473-089-50	Sequence 50, Appli
41	272	13.7	603	4	US-08-487-072A-50	Sequence 50, Appli
42	262	13.2	708	3	US-09-131-648-2	Sequence 2, Appli
43	262	13.2	708	4	US-09-907-794A-69	Sequence 69, Appli
44	262	13.2	708	4	US-09-905-125A-69	Sequence 69, Appli
45	262	13.2	708	4	US-09-902-775A-69	Sequence 2, Appli
46	259.5	13.0	1101	3	US-08-986-485-2	Sequence 3, Appli
47	256.5	12.9	96	1	US-08-442-063A-33	Sequence 294, App
48	256.5	12.9	1119	4	US-09-907-794A-294	Sequence 294, App
49	256.5	12.9	1119	4	US-09-905-125A-294	Sequence 294, App
50	256.5	12.9	1119	4	US-09-902-775A-294	Sequence 6, Appli
51	254	12.8	353	3	US-08-986-485-6	Sequence 292, App
52	253.5	12.7	640	4	US-09-907-794A-292	Sequence 292, App
53	253.5	12.7	640	4	US-09-905-125A-292	Sequence 292, App
54	253.5	12.7	640	4	US-09-902-775A-292	Sequence 245, App
55	252.5	12.7	713	4	US-09-907-794A-245	Sequence 245, App
56	252.5	12.7	713	4	US-09-905-125A-245	Sequence 245, App
57	252.5	12.7	713	4	US-09-902-775A-245	Sequence 264, App
58	251.5	12.6	907	4	US-09-170-496D-264	Sequence 278, App
59	251.5	12.6	907	4	US-09-170-496D-278	Sequence 49, Appli
60	246	12.3	605	1	US-08-190-802A-49	Sequence 49, Appli
61	246	12.3	605	3	US-08-477-346-49	Sequence 49, Appli
62	246	12.3	605	4	US-08-473-089-49	Sequence 5, Appli
63	246	12.3	605	4	US-08-487-072A-49	Sequence 2, Appli
64	241	12.1	673	3	US-09-063-950-5	Sequence 8, Appli
65	241	12.1	673	3	US-09-063-950-5	Sequence 73, Appli
66	239	12.0	180	3	US-08-986-485-8	Sequence 73, Appli
67	239	12.0	620	4	US-09-907-794A-73	Sequence 73, Appli
68	239	12.0	620	4	US-09-905-125A-73	Sequence 73, Appli
69	239	12.0	620	4	US-09-902-775A-73	Sequence 105, App
70	236	11.8	302	4	US-09-482-273-105	Sequence 3, Appli
71	236	11.8	440	3	US-08-985-335-3	Sequence 7, Appli
72	236	11.8	440	3	US-09-410-372-3	Sequence 8, Appli
73	223.5	11.2	582	4	US-09-081-149-7	Sequence 2, Appli
74	223.5	11.2	582	4	US-09-081-149-8	Sequence 4, Appli
75	223	11.2	559	4	US-09-081-149-2	Sequence 161, App
76	222	11.1	224	5	PCT-US91-09055-4	Sequence 161, App
77	221	11.1	380	4	US-09-461-325-161	Sequence 290, App
78	221	11.1	380	4	US-10-012-542-161	Sequence 290, App
79	219	11.0	1059	4	US-09-907-794A-290	Sequence 290, App
80	219	11.0	1059	4	US-09-905-125A-290	Sequence 17, Appli
81	219	11.0	1059	4	US-09-902-775A-290	Sequence 87, Appli
82	212.5	10.7	298	4	US-09-232-160-17	Sequence 121, App
83	212.5	10.7	298	4	US-09-800-729-87	Sequence 3, Appli
84	212.5	10.7	298	4	US-09-800-729-121	Sequence 7, Appli
85	206	10.3	222	5	PCT-US91-09055-3	Sequence 8, Appli
86	206	10.3	231	3	US-08-986-485-7	Sequence 2, Appli
87	205	10.3	313	3	US-08-985-335-8	Sequence 2, Appli
88	205	10.3	313	3	US-09-410-372-8	Sequence 2, Appli
89	202	10.1	1874	4	US-08-331-403-2	Sequence 2, Appli
90	199.5	10.0	560	3	US-08-592-500-2	Sequence 2, Appli
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92	199.5	10.0	560	3	US-09-063-950-4	Sequence 2, Appli
93	199.5	10.0	560	5	PCT-US94-07644A-2	Sequence 6, Appli
94	195	9.8	610	1	US-07-821-717B-6	Sequence 11, Appli
95	195	9.8	610	1	US-08-119-262B-6	Sequence 11, Appli
96	195	9.8	610	1	US-08-135-929A-11	Sequence 11, Appli
97	195	9.8	610	1	US-08-234-265A-11	Sequence 1, Appli
98	194	9.7	320	4	US-07-613-083B-1	Sequence 5, Appli
99	185	9.3	958	4	US-09-706-594-5	Sequence 6, Appli
100	184.5	9.3	196	5	PCT-US91-09055-6	

101	183.5	9.2	224	4	US-09-482-273-174	Sequence 174, App	174	125	6.3	699	4	US-09-461-657B-2	Sequence 2, Appli
102	182.5	9.2	538	4	US-09-866-028-69	Sequence 69, Appl	175	124.5	6.2	1053	4	US-09-513-505-8	Sequence 8, Appli
103	181	9.1	746	5	PCT-US95-10509-2	Sequence 2, Appli	176	134	6.2	1053	4	US-09-513-505-6	Sequence 6, Appli
104	180.5	9.1	696	4	US-09-907-794A-91	Sequence 91, Appl	177	123.5	6.2	1139	4	US-09-513-505-2	Sequence 2, Appli
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106	180.5	9.1	696	4	US-09-902-775A-91	Sequence 91, Appl	179	122.5	6.1	1139	4	US-09-513-505-4	Sequence 4, Appli
107	177	8.9	196	5	PCT-US91-05055-5	Sequence 5, Appli	180	122	6.1	1115	4	US-09-513-505-4	Sequence 4, Appli
108	175.5	8.8	661	1	US-08-514-014-4	Sequence 4, Appli	181	122	6.1	523	4	US-09-621-976-4266	Sequence 3, Appli
109	175.5	8.8	661	1	US-08-833-823-4	Sequence 4, Appli	182	122	6.1	985	2	US-08-473-553A-6	Sequence 6, Appli
110	175	8.8	1112	3	US-09-353-585-2	Sequence 2, Appli	183	122	6.1	985	2	US-08-473-553A-2	Sequence 2, Appli
111	173	8.7	55	1	US-08-442-063A-57	Sequence 57, Appl	184	121	6.1	596	4	US-09-752-165-2	Sequence 2, Appli
112	172	8.6	1112	3	US-09-353-585-3	Sequence 3, Appli	185	120.5	6.0	227	1	US-08-244-646-17	Sequence 17, Appl
113	170.5	8.6	1112	3	US-09-188-930-124	Sequence 124, App	186	118	5.9	700	3	US-07-757-342D-3	Sequence 3, Appli
114	170.5	8.6	110	3	US-09-312-283C-124	Sequence 124, App	187	118	5.9	700	3	US-09-461-657B-3	Sequence 3, Appli
115	170.5	8.6	110	3	US-08-945-983-2	Sequence 2, Appli	188	117.5	5.9	327	4	US-09-513-505-14	Sequence 14, Appl
116	169	8.5	1016	3	US-09-180-439-8	Sequence 8, Appli	189	116.5	5.8	196	5	PCT-US91-09055-8	Sequence 8, Appli
117	168	8.4	784	4	US-09-982-308B-23	Sequence 23, Appl	190	115.5	5.8	680	4	US-09-328-986-69	Sequence 69, Appl
118	168	8.4	968	3	US-09-180-439-3	Sequence 3, Appli	191	115	5.8	359	4	US-09-842-164A-4	Sequence 4, Appli
119	168	8.4	968	3	US-09-180-439-4	Sequence 4, Appli	192	114	5.7	696	3	US-07-757-342D-4	Sequence 4, Appli
120	166.5	8.4	134	3	US-09-191-647-12	Sequence 12, Appl	193	114	5.7	696	3	US-09-461-657B-4	Sequence 4, Appli
121	166.5	8.4	134	3	US-09-540-245A-12	Sequence 12, Appl	194	112.5	5.6	711	4	US-09-228-986-79	Sequence 79, Appl
122	166.5	8.4	134	3	US-09-540-153-12	Sequence 12, Appl	195	112	5.6	327	1	US-08-238-163-4	Sequence 4, Appli
123	163	8.2	55	1	US-08-442-063A-60	Sequence 60, Appl	196	111.5	5.6	1504	4	US-09-364-206-2	Sequence 2, Appli
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125	161.5	8.1	1012	2	US-08-475-891A-4	Sequence 4, Appli	198	110.5	5.5	456	2	US-08-910-731-8	Sequence 8, Appli
126	161.5	8.1	1025	2	US-08-567-375-4	Sequence 4, Appli	199	110.5	5.5	456	2	US-08-795-395-4	Sequence 4, Appli
127	161.5	8.1	1025	2	US-08-587-680A-4	Sequence 4, Appli	200	110	5.5	630	4	US-09-228-986-71	Sequence 71, Appl
128	161	8.1	692	3	US-07-757-342D-6	Sequence 6, Appli	201	109	5.5	428	1	US-09-190-802A-29	Sequence 29, Appl
129	161	8.1	692	3	US-09-461-657B-6	Sequence 6, Appli	202	109	5.5	428	1	US-08-477-346-29	Sequence 29, Appl
130	160	8.0	501	4	US-09-907-794A-185	Sequence 185, App	203	109	5.5	428	4	US-08-473-089-29	Sequence 29, Appl
131	160	8.0	501	4	US-09-905-125A-185	Sequence 185, App	204	109	5.5	428	4	US-08-487-072A-29	Sequence 29, Appl
132	160	8.0	501	4	US-09-902-775A-185	Sequence 185, App	205	109	5.5	850	1	US-08-286-305A-7	Sequence 7, Appli
133	160	8.0	863	2	US-08-666-271-2	Sequence 2, Appli	206	109	5.5	850	2	US-08-441-104A-7	Sequence 7, Appli
134	159	8.0	735	3	US-09-191-647-9	Sequence 9, Appli	207	109	5.5	850	2	US-08-440-816A-7	Sequence 7, Appli
135	159	8.0	735	3	US-09-540-245A-9	Sequence 9, Appli	208	109	5.5	850	2	US-09-417-381A-7	Sequence 7, Appli
136	159	8.0	735	3	US-09-540-153-9	Sequence 9, Appli	209	108.5	5.4	1085	1	US-08-431-080-28	Sequence 28, Appl
137	156	7.8	999	2	US-08-473-553A-5	Sequence 5, Appli	210	108.5	5.4	1085	2	US-08-938-534-28	Sequence 28, Appl
138	156	7.5	947	4	US-09-228-986-73	Sequence 73, Appl	211	108.5	5.4	1085	4	US-09-345-234-28	Sequence 28, Appl
139	149	7.5	1023	2	US-08-475-891A-2	Sequence 2, Appli	212	107.5	5.4	707	4	US-09-228-986-80	Sequence 80, Appl
140	149	7.5	1023	2	US-08-567-375-2	Sequence 2, Appli	213	107	5.4	903	4	US-09-228-986-78	Sequence 78, Appl
141	149	7.5	1023	2	US-08-587-680A-2	Sequence 2, Appli	214	106	5.3	825	1	US-07-912-952-2	Sequence 2, Appli
142	147.5	7.4	910	4	US-09-228-986-72	Sequence 72, Appl	215	105	5.3	443	2	US-09-543-681A-4991	Sequence 4991, Ap
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144	143.5	7.2	155	3	US-09-191-647-8	Sequence 8, Appli	217	105	5.3	612	2	US-08-286-846A-8	Sequence 8, Appli
145	143.5	7.2	155	3	US-09-540-245A-8	Sequence 8, Appli	218	105	5.3	612	2	US-08-457-880A-8	Sequence 8, Appli
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155	138	6.9	546	4	US-09-905-125A-250	Sequence 250, App	228	105	5.3	2391	3	US-08-446-855A-2	Sequence 2, Appli
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158	135.5	6.8	259	4	US-09-905-125A-71	Sequence 71, Appl	231	104.5	5.2	191	4	US-10-012-542-186	Sequence 186, App
159	135.5	6.8	259	4	US-09-902-775A-71	Sequence 71, Appl	232	104.5	5.2	206	4	US-09-461-325-412	Sequence 412, App
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162	134.5	6.8	644	3	US-09-153-593-2	Sequence 2, Appli	235	104	5.2	620	4	US-09-421-491-2	Sequence 2, Appli
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165	128	6.4	740	1	US-08-257-073-5	Sequence 5, Appli	238	102.5	5.1	764	3	US-07-741-453A-54	Sequence 54, Appl
166	125.5	6.3	342	1	US-08-244-646-15	Sequence 15, Appl	239	102.5	5.1	764	3	US-07-741-453A-60	Sequence 60, Appl
167	125.5	6.3	342	1	US-08-592-936B-21	Sequence 21, Appl	240	102	5.1	277	3	US-07-741-453A-58	Sequence 58, Appl
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169	125.5	6.3	716	4	US-09-312-283C-183	Sequence 183, App	242	102	5.1	461	2	US-08-910-731-6	Sequence 6, Appli
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171	125	6.3	674	3	US-09-757-342D-10	Sequence 10, Appl	244	101	5.1	172	1	US-08-795-503-11	Sequence 11, Appl
172	125	6.3	674	4	US-09-461-657B-10	Sequence 10, Appl	245	101	5.1	172	3	US-09-358-580-14	Sequence 14, Appl
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253	98.5	4.9	764	3	US-07-757-342D-5	Sequence 5, Appli	326	93	4.7	953	4	US-09-865-364-8	Sequence 8, Appli
254	98.5	4.9	764	3	US-07-741-453A-59	Sequence 59, Appl	327	93	4.7	4536	4	US-09-180-422B-27	Sequence 27, Appl
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258	98	4.9	418	3	US-08-908-436-6	Sequence 6, Appli	331	92.5	4.6	1074	4	US-09-004-838-111	Sequence 111, App
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270	97	4.9	611	3	US-08-443-890-35	Sequence 35, Appl	343	91	4.6	1143	2	US-09-301-085-108	Sequence 108, App
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: June 29, 2004, 20:27:15 ; Search time 459 Seconds  
(without alignments)  
3796.111 Million cell updates/sec

Title: US-09-944-884-2

Perfect score: 1992  
Sequence: 1 MKEYVILLFLALCSAKPFSS.....PATRCVLRLSRVSLGNFGM 379

Scoring table:

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Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 3031105 seqs, 2298700234 residues

Total number of hits satisfying chosen parameters: 6062210

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 500 summaries

Command line parameters:

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Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2454	2454	100.0	2454	15	US-10-157-783-327	Sequence 327, App	363	2454	100.0	2454	15	US-10-124-814-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-157-783-327	Sequence 327, App	364	2454	100.0	2454	15	US-10-124-816-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-158-792-327	Sequence 327, App	365	2454	100.0	2454	15	US-10-124-820-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-158-792-327	Sequence 327, App	366	2454	100.0	2454	15	US-10-125-704-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-145-824-327	Sequence 327, App	367	2454	100.0	2454	15	US-10-125-927-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-145-824-327	Sequence 327, App	368	2454	100.0	2454	15	US-10-223-082-29	Sequence 29, Appl
2454	2454	100.0	2454	15	US-10-145-835-327	Sequence 327, App	369	2454	100.0	2454	15	US-10-223-082-29	Sequence 327, App
2454	2454	100.0	2454	15	US-10-145-869-327	Sequence 327, App	370	2454	100.0	2454	15	US-10-142-889-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-145-875-327	Sequence 327, App	371	2454	100.0	2454	15	US-10-145-874-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-145-875-327	Sequence 327, App	372	2454	100.0	2454	15	US-10-147-497-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-145-958-327	Sequence 327, App	373	2454	100.0	2454	15	US-10-147-497-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-146-787-327	Sequence 327, App	374	2454	100.0	2454	15	US-10-152-371-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-146-787-327	Sequence 327, App	375	2454	100.0	2454	15	US-10-152-375-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-146-790-327	Sequence 327, App	376	2454	100.0	2454	15	US-10-152-377-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-146-790-327	Sequence 327, App	377	2454	100.0	2454	15	US-10-152-386-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-146-793-327	Sequence 327, App	378	2454	100.0	2454	15	US-10-152-391-327	Sequence 327, App
2454	2454	100.0	2454	15	US-10-147-485-327	Sequence 327, App	379	2454	100.0	2454	15	US-10-152-399-127	Sequence 327, App
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2454	2454	100.0	2454	15	US-10-147-487-327	Sequence 327, App							

